



भारत का राजपत्र

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No. 38] NEW DELHI, SATURDAY, SEPTEMBER 21, 1996 (BHADRA 30, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
 [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
 [Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 21st September 1996

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 Calcutta-700 020.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 21 सितम्बर 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादौशिक क्षेत्राधिकार औन के आधार पर निम्न रूप में प्रदर्शित हैं।

पेटेंट कार्यालय शाखा, टॉली हस्टेट
तीसरा तल, लौअर परल (पश्चिम),
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोवा राज्य क्षेत्र एवं संघ शासित क्षेत्र दक्षिण तथा दीव एवं दादरा और नगर हैं।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एक मं. 401 से 405, तीसरा तल,
मगरपालिका आजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब,
राजस्थान, उत्तर प्रदेश तथा दिल्ली गव्य क्षेत्रों एवं संघ
शासित क्षेत्र छण्डीगढ़।

तार पता-“पेटेंटोफिस”

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20.

The dates shown in the crecent bracket are the dates
claimed under section 135, of the Patent Act, 1970.

03-06-1996

1004/Cal/96 Daewoo Electronics Co. Ltd. Optical pickup
apparatus having objective lens positioning system
(Convention No. 95-14153; on 31-5-1995; in
Korea).

1005/Cal/96 Daewoo Electronics Co. Ltd. High-voltage
stabilization circuit of a monitor. (Convention
No. 95-14138, on 31-5-1995; in Korea).

1006/Cal/96 American Cyanamid Co. Substituted Quinoline
herbicide intermediates and process. (Convention
No. 08/461,786; on 5-6-1995; in U.S.A.).

1007/Cal/96 American Cyanamid Co. Substituted Quinoline
herbicide intermediates and process. (Convention
No. 08/464,192, on 5-6-1995; in U.S.A.).

1008/Cal/96 American Cyanamid Co. Substituted Quinoline
Herbicide intermediates and process. (Convention
No. 08/464,192; on 5-6-95; in U.S.A.).

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002।

अन्ध्र प्रदेश, कर्नाटक, कोरल, हामिलनाहु तथा
पाण्डिचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र लक्ष्मीगढ़ी,
मिनिकाय तथा एमन्दिदिवि द्वीप।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),

निजाम पैलेस, द्वितीय बहुतसीध कार्यालय,

भवन. 5, 6 तथा 7वां तल,

234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता-“पेटेंटेस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएँ, विवरण या अन्य प्रलेख पेटेंट कार्यालय के क्षेत्र उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की ददायरी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भनादेश अथवा डाक आदेश या जारी उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसन्धान बैंक से नियंत्रक को भुगतान योग्य बैंक अपार्ट अथवा बैंक बारा की जा सकती है।

1009/Cal/96 American Cyanamid Co. Substituted Quinoline
Herbicide intermediates and process. (Convention
No. 08/461,786; on 5-6-1995; in U.S.A.).

1010/Cal/96 The Mead Corporation. Method and apparatus
for loading bottom loading basket-style carrier.

1011/Cal/96 Omnipoint Corporation. Timing adjustment
control for efficient time division duplex communications. (Convention No. 08/464,285; on 5-6-95;
in U.S.).

1012/Cal/96 The Mead Corporation. Method and apparatus
for loading bottom loading basket-style carrier.

1013/Cal/96 Eli Lilly and Company. Anti-viral compounds.
(Convention No. 08/483,651; on 7/6/95 in
U.S.A.).

1014/Cal/96 Kimberly-clark Corporation. Novel Pre-dyes.
(Convention Nos. 08/463,187 & 08/649,754; on
5/6/95; & 29/5/96; in U.S.A.).

1015/Cal/96 Moltech Corporation. Electroactive high storage
capacity polyacetylene-co-Polysulfur materials and
electrolytic cells containing same. (Convention
Nos. 08/477,106; 08/602,323; on 7/6/95 &
16/2/96; in U.S.A.).

1016/Cal/96. Willett Versatile Equipment Pty Ltd. Improved dough divider. (Convention No. PN5032; on 25/8/95; in Australia).

1017/Cal/96. Bernd Hansen. Container for delivery of flowable material. (Convention No. 19522451.5; on 21/6/95; in Germany).

1018/Cal/96. Yung Geng Chiang. Detachable brief structure.

APPLICATIONS FOR PATENTS FILED AT
THE PATENT OFFICE BRANCH,
61 WALLAJAH ROAD, MADRAS-600 002

13th May, 1996

786/Mas/96. Turbo Tech Precision Engineering Private Limited and National Research Development Corporation. Turbine module for use in industrial gas turbines.

787/Mas/96. Turbo Tech Precision Engineering Private Limited and National Research Development Corporation. Gear box module for use in gas turbines.

788/Mas/96. Turbo Tech Precision Engineering Private Limited and National Research Development Corporation. Gas turbin arrangement.

789/Mas/96. Turbo Tech Precision Engineering Private Limited and National Research Development Corporation. Electronic engine control system for gas turbines.

790/Mas/96. Turbo Tech Precision Engineering Private Limited and National Research Development Corporation. Combustor module for use in industrial gas turbines.

791/Mas/96. Turbo Tech Precision Engineering Private Limited and National Research Development Corporation. Compressor module adapted for use in gas turbines.

792/Mas/96. Mogaparthi Appa Rao. The parallel-bearings-resistance.

793/Mas/96. Mogaparthi Appa Rao. Vishnugandhi-technology's Potential-energetic-engines..

794/Mas/96. John Thomas E. Hand painting on dry leaf.

795/Mas/96. Simmag Backery Machine Corporation. Gas fired oven.

796/Mas/96. Schlumberger Industries S.A. A device for measuring the flow speed of a fluid by ultrasound. (May 17, 1995; France).

797/Mas/96. Monsanto Company. Use of fluidized bed reactors for treatment of wastes containing organic nitrogen compounds.

798/Mas/96. Robert Bosch GMBH. Device for recognising a leak in a fuel supply system.

799/Mas/96. I.M.A. Industria Machine Automatiche S.P.A. Automatic machine for packaging tablets in gelatine capsules. (May 19, 1995; Italy).

800/Mas/96. Societe Des Produits nestle S.A. Enhanced procedures for preparing food hydrolysates. (May 25, 1995; U.S.A.).

801/Mas/96. Barry Wehmiller International plc. Rotary tabletting press. (May 18, 1995; Great Britain).

802/Mas/96. Biochemie Gesellschaft m.b.H. Antibacterial compounds.

14th May, 1996

803/Mas/96. Gebr. Happich GmbH. Sun visor for motor vehicles. (July 1, 1995; Germany).

804/Mas/96. Elf Atochem S.A. Crosslinkable dielectric composition. (May 19, 1995; France).

805/Mas/96. Snamprogetti S.p.A. Process for the joint production of ethers and hydrocarbons with a high octane number. (June 1, 1995; Italy).

806/Mas/96. Huls Aktiengesellschaft. Process for working up residues from the raw ester distillation in the preparation of dimethyl terephthalate (DMT).

807/Mas/96. Schneider Electric SA. A device for assembly and electrical connection of modular apparatuses such as circuit breaking or similar.

808/Mas/96. Saint-Gobain/Norton Industrial Ceramics Corporation. Slip free vertical rack design.

809/Mas/96. Rosemount Inc. Two-wire level transmitter.

15th May, 1996

810/Mas/96. Lucas Industries Public Limited Company. Clamping device of a disc brake.

811/Mas/96. Minnesota Mining and Manufacturing Company. Bench top UV-activated odor filtration device. (May 26, 1995; Canada).

812/Mas/96. Matsushita Electric Industrial Co. Ltd. An optical disk, an optical disk barcode forming method, an optical disk reproduction apparatus, a marking forming apparatus, a method of forming a laser marking on an optical disk, and a method of manufacturing an optical disk. (October 9, 1995; Japan).

813/Mas/96. George Norris Foster; Tong (nmn) Chen; Scott Hanley Wasserman; Day-Chyuan (nmn) Lee; Stuart Jacob Kurtz and Laurence Herbert Cross. Ethylene polymers having enhanced processability.

814/Mas/96. Norton Company. Curl-resistant coated abrasives.

815/Mas/96. Norton Company. Dual cure binder systems.

816/Mas/96. British Steel PLC. Annular separators for double walled pipe structures. (May 16, 1995; Great Britain).

817/Mas/96. Sabina Corporation. Potassium hydroxy citrate. (May 15 1995; United States).

818/Mas/96. Ajinomoto Co., Ltd. Method for producing nucleoside-5'-phosphate ester. (May 23, 1995; Japan).

819/Mas/96. NEC Corporation. Full-wave rectifying circuit having only one differential pair circuit with a function for combining a pair of half-wave rectified currents into a full-wave rectified current. (May 22, 1995; Japan).

16th May, 1996

820/Mas/96. S. Vijayan. Impact management system in automobiles.

821/Mas/96. Hoechst Aktiengesellschaft. 1 Substituted cinnamic acid guanides, a process for their preparation, their use as medicaments or diagnostic agents, and medicaments comprising them. (July 26, 1995; Germany).

822/Mas/96. BHP Minerals International Inc. A method of recovering nickel from high magnesium containing Ni-Fe-Mg lateritic ore. (July 17, 1995; United States).

823/Mas/96. AT&T IPH Corp. Insulation displacement terminal with two-wire insertion capability.

824/Mas/96. AT&T IPM Corp. mounting of protectors in connector blocks.

825/Mas/96. AT & T IPM Corp. Insulation displacement contact including retention means.

826/Mas/96. AT & T IPM Corp. Mounting bracket for connector block.

827/Mas/96. AT T IPM Corp. Insulation displacement terminal with two-wire insertion capability.

828/Mas/96. BASF Aktiengesellschaft. Preparation of N-methyl-2-(3, 4-dimethoxyphenyl) ethylamine.

17th May, 1996

829/Mas/96. Astra Research Centre India. A novel process for cloning heterologous genes.

830/Mas/96. Widia GMBH. Cutting tool, the process for coating the cutting tool and application of the cutting tool.

831/Mas/96. Widia GMBH. Cutting off insert.

832/Mas/96. Widia GMBH. Cutting off tool insert.

833/Mas/96. YKK Corporation. Molded surface fastener and method for manufacturing the same. (June 2, 1995; Japan).

834/Mas/96. Daewoo Electronics Co. Ltd. Method for automatically controlling cooking by using a vapor sensor in a microwave oven. (September 29, 1995; Korea).

835/Mas/96. Akzo Nobel N. V. Imidazo [1, 5a] pyridine derived serine protease inhibitors.

836/Mas/96. L'Air Liquids, Societe anonyme pour L'Etude et L'Exploitation Des Procedes Georges Claude. Method for measuring the flow rate of a species contained in an exhaust gas stream of a combustion process. (June 7, 1995; United States).

837/Mas/96. Owens Brockway Glass Container Inc. Directly Cooled, side fired forehearth.

20th May, 1996

838/Mas/96. Maxy John Puthukkad. Safety alarm cum indicator for hazardous voltage without reference.

839/Mas/96. Dilip Bafna. A process for manufacturing cultured stone surfaces on substrates.

840/Mas/96. Kotaro Anzai. Device for asking for payment. (May 19, 1995; Japan).

841/Mas/96. Maschinenfabrik Rieter Ag. Revolving flat card. (July 14, 1995; Switzerland).

842/Mas/96. Mobil Oil Corporation. Dispersants and dispersant viscosity index improvers from selectively hydrogenated polymers.

843/Mas/96. Robert Bosch GmbH. Flexible gasket and a method for producing it.

844/Mas/96. PPV Verwaltungs AG. Thermal engine operating in accordance with the stirling principle.

845/Mas/96 GEC Alsthom India Limited. A din fuse base.

21st May, 1996

846/Mas/96. Astra Research Centre India. A process for preparing a pharmaceutical composition containing a factor that can modulate blood brain barrier.

847/Mas/96. Ranga Rao Narayana Murthy. The process of making joss sticks (agarbathies) using plant gums, semi synthetic and synthetic materials.

848/Mas/96. Shell International Research Maatschappij B.V. Catalytic dewaxing process and catalyst composition.

849/Mas/96. Electrovert USA Corporation. Gas knife cooling system. (June 23, 1995; United States).

850/Mas/96. Cabot Corporation. Elastomeric compounds incorporating partially coated carbon blacks. (May 22, 1995; United States).

851/Mas/96. Cabot Corporation. Elastomeric compounds incorporating silicon treated carbon blacks. (May 22, 1995; United States).

852/Mas/96. Kabushiki Kaisha Kobe Seiko Sho. Center mechanism for tire vulcanizer.

853/Mas/96. Racal-MESL Limited. Radio frequency coupler. (May 22, 1995; United Kingdom).

854/Mas/96. Melamine Chemicals Inc. Method for increasing purity in melamine. (June 7, 1995; United States).

855/Mas/96. Melamine Chemicals Inc. Melamine of improved purity produced by high-pressure, non-catalytic process. (June 7, 1995; United States).

856/Mas/96. Robert Bosch GmbH. pressure-measuring device.

857/Mas/96. Heraeus Electro-Nite International NV. Method for measuring the gas concentration in a gas mixture and electrochemical sensor for determination of the gas concentration.

858/Mas/96. Linde Aktiengesellschaft. Process for the recovery of carbon monoxide from a purge gas containing at least carbon monoxide, nitrogen and hydrogen. (May 24, 1995; Germany).

22nd May, 1996

859/Mas/96. Snamprogetti S.p.A. Process for producing tertiary olefins by decomposition of the corresponding alkyl-tert- alkyl ethers. (Divisional to Patent Application No. 417/Mas/92).

860/Mas/96. Fructamine S.p.A. Process for the preparation of a halo-substituted aromatic acid. (May 23, 1995; Italy).

861/Mas/96. Fructamine S.p.A. Process for the preparation of a dicarboxylic acid dichloride. (May 23, 1995; Italy).

862/Mas/96. Fructamine S.p.A. Process for the preparation of a dicarboxylic acid dichloride. (May 23, 1995; Italy).

863/Mas/96. Rieter Ingolstadt. Opening cylinder for an open end apparatus. (June 7, 1995; Germany).

864/Mas/96. Focke & Co. (GMBH & CO). Hinge-lid pack for cigarettes. (May 31, 1995; Germany).

865/Mas/96. Funai Electric Co. Ltd. Magnetic reproducing apparatus. (May 22, 1995; Japan).

866/Mas/96. Qualcomm Incorporated. Fast and efficient packet transmission system and method.

867/Mas/96. Qualcomm Incorporated. Remote vocoding over a long distance link.

868/Mas/96. YKK Corporation. Molded surface fastener and method for manufacturing the same. (June 20, 1995; Japan).

869/Mas/96. ABB Flakt Aktiebolag. Device in an electrostatic precipitator for the suspending and rapping of collecting electrodes. (June 20, 1995; Sweden).

23rd May, 1996

870/Mas/96. Oltremare S.p.A. Device for automatically feeding cashew nuts to shelling machines.

871/Mas/96. Greg McDougall. Toothbrush. (May 24, 1995; United States).

872/Mas/96. Dr. Ing. Bernd Diering and Dipl.-Ing. Andreas Diering. Installation for the biological treatment of waste-water. (May 23, 1995; Germany).

873/Mas/96. Novus International, Inc. Process for the preparation of 3-(methylthio) propanal and 2-hydroxy-4-(methylthio) butanenitrile.

874/Mas/96. Reckitt & Colman Products Limited. Improvements in or relating to containers. (June 2, 1995; Great Britain).

875/Mas/96. Kabushiki Kaisha Kobe Seiko Sho. Water swellable compositions. (May 23, 1995; United Kingdom).

876/Mas/96. Kabushiki Kaisha Kobe Seiko Sho. Water swellable composition. (May 23, 1995; United Kingdom).

877/Mas/96. Maxwell Laboratories, Inc. Method and apparatus for blasting hard rock. (June 6, 1995; U.S.A.).

878/Mas/96. AT&T IPM Corp. Protector device.

879/Mas/96. AT&T IPM Corp. Polarity-sensitive protector dev.ce.

24th May, 1996

880/Mas/96. Zellweger Luwa AG. Device for measuring the thickness and/or irregularity of slivers. (June 29, 1995; Switzerland).

881/Mas/96. Enichem S.p.A. A high activity catalytic for the synthesis of poly (ethylene terephthalate). (June 1, 1995; Italy).

882/Mas/96. AD Aerospace Finishes v.o.f. Coating composition comprising polyacetoacetate, crosslinker and organosilane.

883/Mas/96. AD Aerospace Finishes v.o.f. Coating composition having improved adhesion to substrate.

884/Mas/96. F. Hoffmann-La Roch. Pyrimidinedione, pyrimidineone, triazineone, tetrahydroquinazolinedione derivatives as 1 adrenergic receptor antagonists. (June 9, 1995; United States).

885/Mas/96. Novo Nordisk A/S. A pharmaceutical formulation (June 5, 1995; United States).

886/Mas/96. British Telecommunications Public Limited Company. Mobile telephone system.

887/Mas/96. Daiichi Pharmaceutical Co., Ltd. Cyclic compound and production process thereof. (May 26, 1995; Japan).

888/Mas/96. 3Com Corporation. Backplane architecture for stackable ethernet repeater.

889/Mas/96. Pilkington United Kingdom Limited. Mirrors and their production. (June 10, 1995; United Kingdom).

890/Mas/96. Novus International Inc. Concentrated aqueous lysine propionate solution and method of preparation thereof.

891/Mas/96. CMS Computers Ltd. Civil twilight switcher.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month, applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्दबारा यह सूचना दो जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकस्वर को अप्युक्त कार्यालय में एसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

स्पष्टकन (चित्र आरेखों) को फोटो प्रतियां यदि कोई हो, के साथ चिनिवैश्यों की अंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शास्त्र कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पश्च व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अवायगी पर को जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Class - 32-E

176821

Int. Cl. - A 61 F 13/04.

A RESIN COATED ARTICLE SUCH AS ORTHOPEDIC AND A METHOD OF MAKING THE SAME.

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, SAINT PAUL, MINNESOTA-55144, UNITED STATES OF AMERICA.

Inventors : (1) MATTHEW T. SCHOLZ
 (2) RALPH A. WALKENS
 (3) ROBERT L. ASSELL
 (4) CHARLES E. ALEXSON

Application No. 537/MAS/90 filed July 5, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

20 Claims

A resin coated article such as an orthopedic article having enhanced lamination properties, comprising a fabric sheet having on at least one side thereof a plurality of projections, said fabric sheet having a coating of a curable resin thereon, said projections being capable of enhancing the lamination of one layer with another adjacent layer of said resin coated article.

(Com. - 60 pages; Drwgs. - 6 sheets)

Ind. Class 2 195-C

176822

Int. Cl. 4 F 16 K 1/226.

A ROTARY VALVE ASSEMBLY CONSISTING OF A HOUSING, A VALVE MEMBER AND A SEAL ASSEMBLY.

Applicant : GEBRUDER ADAMS ARMATUREN U. APPARATE GMBH & CO. KG, A GERMAN CORPORATION (WEST), OF BAUKRUEKSTR. 55, 4690 HERNE, WEST GERMANY.

Inventors : (1) HORST HEINZ ADAMS
(2) BERND BRUGGESTRATH
(3) RUDOLF AUGUST KAPPE

Application No. 545/MAS/90 filed July 6, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

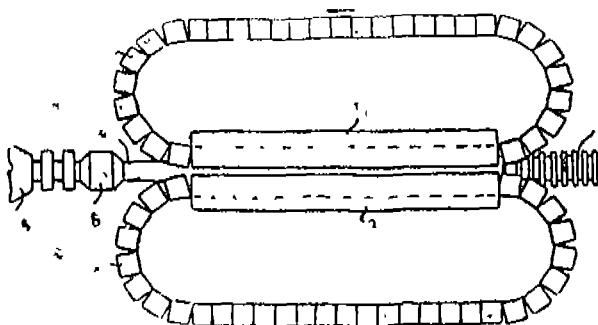
19 Claims

A rotary valve assembly consisting of a housing, a valve member and a seal assembly, the seal assembly comprising; a first resilient seal subassembly having a resilient sealing element, the sealing element having a substantially linear section and a curved section formed integrally with the linear section; means for changing the resiliency of the first resilient seal subassembly, the means for changing comprising a second resilient sealing element having a substantially linear section and a curved section formed integrally with the linear section the linear and curved sections of the second resilient sealing element being disposed adjacent linear and curved sections of the first resilient sealing element, the second resilient sealing element having different resiliency characteristics than the first resilient sealing element, and the first seal subassembly further comprising an annular gasket disposed between the first resilient sealing element and the second resilient sealing element; and mounting means for mounting the seal subassembly in the valve assembly.

(Com. 14 pages;

Drwgs. 3 sheets)

direction of production of the apparatus, the smallest diameter of said face surface substantially corresponding to the diameter of the initial zone.



(Com. - 13 pages; Drwgs. - 1 sheet)

Ind. Class - 136-B

176823

Int. Cl. 4 B 29 C 33/36.

APPARATUS FOR MANUFACTURING RIBBED PIPES

Applicant : UPNOR N V, OF EMMAPLEIN, FOURESS BUILDING, P.O. BOX 259, PHILIPSBURG, SINT MAARTEN, THE NETHERLANDS ANTILLES, A COMPANY OF THE NETHERLANDS ANTILLES.

Inventors : (1) JYRI JARVENKYLA
(2) EINO HOLSO

Application No. 551/MAS/90 filed July 9, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An apparatus for manufacturing ribbed pipes with a smooth inner surface from a moudable material, said apparatus comprising a core having a shaft (8), a conically widening mandrel (9) located downstream of the shaft seen from the direction of production of the apparatus, and a kernel (10) of a substantially uniform diameter disposed after the mandrel, an extrusion sleeve (4) surrounding the core and forming with the core a nozzle (11) for the material, the extrusion sleeve having an end face located upstream of the kernel (10) seen in the direction of production of the apparatus, and moulds (1,2) encasing the extrusion sleeve and the core and being movable along an endless path, having grooves (13) on the inner surface for forming ribs on the pipe (7), whereby an initial zone of the kernel which is in the vicinity of the nozzle has means for heating this zone and an end zone (15) of the kernel which is remote from the nozzle has means (17) for cooling this zone, characterized in that the surface of the initial zone of the kernel is cylindrical and the outset of the end zone of the kernel has an end face conically widening in the

176824

Ind. Class - 32-F

Int. Cl. 4 —C 07 D 223/10.

A PROCESS FOR THE CONTINUOUS PURIFICATION OF CAPROLACTAM.

Applicant : BASF AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK COMPANY, ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) GERALD NEUBAUER
(2) JOSEF RITZ
(3) HUGO FUCHS
(4) DAVID AGAR
(5) ROLF FISCHER
(6) UWE VAGT

Application No. 552/MAS/90 filed July 9, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A process for the continuous purification of caprolactam comprising contacting a 75 to 95% by weight strong aqueous solution of impure caprolactam with hydrogen at 50 to 95°C and 1.5 to 100 bar upward pressure through a tubular zone having a fixed bed supported palladium nickel catalyst while maintaining a residence time of from 10 to 100 minutes separating the gas from the liquid reaction product and recovering purified caprolactam therefrom by known method.

(Com. - 20 pages)

176825

Ind. Class - 151-C

Ind. Cl. 4 - F 16 L 11/08

F 16 L 11/16

A REINFORCED FLEXIBLE TUBE

Applicants : (1) INSTITUT FRANCAIS DU PETROLE, OF 4 AVENUE DE BOIS PREAU 92502 RUEIL MALMAISON, FRANCE OF FRENCH NATIONALITY and (2) COFLEXIP, OF 23 AVENUE DE NEUTILLY, 75116 PARIS, FRANCE, OF FRENCH NATIONALITY.

Inventors : (1) JANY FERET
(2) JOSE MALLEN HERRERO.

Application No. 557/MAS/90 filed July 10, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

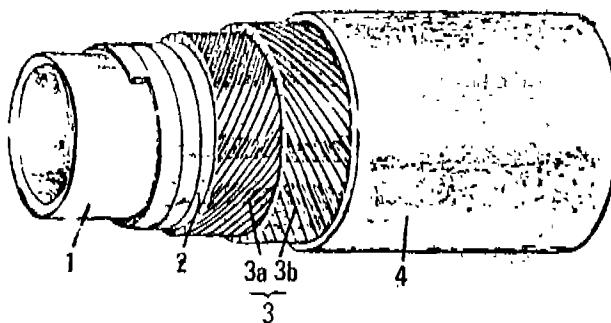
29 Claims

A reinforced flexible tube comprising at least one of the following reinforcement layers .

—a pressure resistant layer comprising elongated element would helically at a high angle with respect with a longitudinal axis of the tube.

—a tensile strength or a pressure resistant layer comprising elongated element would helically at an angle close to or less than 55°.

and wherein at least one of said layer comprises elongated element having a "T" shaped cross-sectional profile.



(Com. - 23 pages;

Drawgs. - 3 sheets.)

Ind. Class - 206-E

176826

Int. Cl.⁴ - H 01 L 41/04

AN ELECTRICAL SYSTEM FOR DRIVING A TRANSDUCER.

Applicant : ROCKWELL INTERNATIONAL CORPORATION A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 2230 EAST IMPERIAL HIGHWAY, EL SEGUNDO, CALIFORNIA 90245, U.S.A.

Inventor : GORDON WALTER CULP

Application No. 566/MAS/90 filed July 16, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

An electrical system for driving a transducer comprising : a plurality of transducer segments coupled to form the transducer, each of said transducer segments comprising an electrical impedance; a plurality of second electrical impedances; a plurality of electrical loops each of said loops connecting one of the transducer segments in series with a corresponding one of said second electrical impedances; stimulating means for resonantly stimulating the plurality of electrical loops to produce a predetermined nonsinusoidal transducer output; and coupling means for coupling said stimulating means to each of said plurality of loops.

(Com - 27 pages; Drawgs. - 2 sheets)

Ind. Class - 206-E

176827

Int. Cl.⁴ - G 01 C 22/02
G 06 F 15/20.

AN ANALYSER SYSTEM FOR A MICROPROCESSOR BASED ELECTRONIC TACHOGRAPH RECORDING AND INDICATING SYSTEM.

Applicant : INTERNATIONAL INSTRUMENTS LIMITED 140 HOSUR ROAD BANGALORE - 560 034 KARNATAKA, INDIA A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventors : (1) SAKHALESHAPUR VENKATESIAH SRI-NIVASA (2) SALIGRAMA NANJUNDA RAO SHIVA-PRASAD.

Application No. 579/MAS/90 filed July 23, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

An analyser system for a microprocessor based electronic tachograph recording and indicating system comprising a CPU module with resident program, connector means for short and long memory modules of the said tachograph system, an input output module all interconnected together, said input output being provided with a video terminal and printer, the said system being powered by source.

Agents : M/s. Kamath & Kamath

(Com. - 7 pages; Drawg. - 1 sheet)

Ind. Class - 55-F

176828

Int. Cl.⁴ - A 61 K 49/04.

A METHOD OF MAKING INJECTABLE SUSPENSIONS OF GAS FILLED MICROBUBBLES.

Applicant : BRACCO INTERNATIONAL B.V. OF 7 DE BOELELAAN 1083 HJ AMSTERDAM, THE NETHERLANDS, A DUTCH COMPANY.

Inventors : (1) MICHEL SCHNEIDER
(2) JEAN BORCHOT
(3) JEROME PUGINIER
(4) FENG YAN

Application No. 696/MAS/93 filed September 30, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A method of making injectable suspensions of gas filled microbubbles useful as contrast agents in ultrasonic echography, the said method comprising the steps of selecting at least one film forming surfactant said as herein described, converting the surfactant into a powder contacting the powder with said gas, and admixing the powder surfactant with an aqueous liquid carrier such as herein described to form said suspension characterised by introducing the suspension into a container forming a layer of the gas filled microbubbles in the upper part of the container, separating the layer of the microbubbles formed and washing the microbubbles with an aqueous solution saturated with the said gas.

(Com. - 27 pages; Drawg. - 1 sheet)

Ind. Class : 32-F²(b)

176829

Int. Cl.⁴ : C 07 D 209/00; 221/00; 223/00.

A PROCESS FOR THE PREPARATION OF SUBSTITUTED AZASPIRO ALKANE COMPOUNDS.

Applicant : THE ROOTS COMPANY PLC A BRITISH COMPANY OF 1, THANE ROAD WEST, NOTTINGHAM, NG2 3AA, NOTTS, ENGLAND, UNITED KINGDOM.

Inventors : (1) PAUL JOHN HARRIS
(2) FRANK KERRIGAN

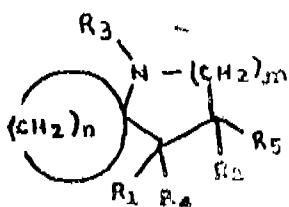
Application No. 770/Mas/93 filed on October 28, 1993.

Convention date : November 9, 1992; (No. 92231459: United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for the preparation of a substituted azaspiro alkane compound of formula I



and pharmaceutically acceptable salts thereof in which m is an integer from 1 to 3;

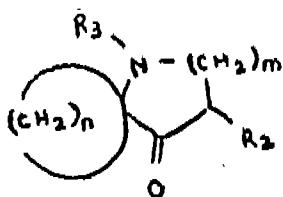
n is an integer from 2 to 6;

R₁ is phenyl optionally substituted by one or more substituents selected from halo, hydroxy, alkoxy containing 1 to 3 carbon atoms, alkanoyl containing 2 or 3 carbon atoms, alkyl containing 1 to 3 carbon atoms, halogenated alkyl containing 1 to 3 carbon atoms, alkylthio containing 1 to 3 carbon atoms, alkylsulphinyl containing 1 to 3 carbon atoms, alkylsulphonyl containing 1 to 3 carbon atoms, cyano, nitro, amino optionally substituted by 1 or 2 alkyl groups each containing 1 to 3 carbon atoms, sulphamoyl optionally substituted by 1 or 2 alkyl groups each containing 1 to 3 carbon atoms, carbamoyl optionally substituted by 1 or 2 alkyl groups each containing 1 to 3 carbon atoms, or phenyl, or R₂ naphthyl;

R₂ is H, alkyl containing 1 to 3 carbon atoms or phenyl;

R₃ is H, alkyl containing 1 to 6 carbon atoms, alkenyl containing 3 to 6 carbon atoms, or alkoxalkyl in which the alkoxy group contains 1 to 4 carbon atoms and the alkyl group contains 2 to 4 carbon atoms, and

R₄ is hydroxy and R₅ is H, said process comprising the reaction of a compound of formula II



with an organometallic reagent which is an organolithium compound of formula III

R₁Li III

or a Grignard reagent of formula IV

R₁Mg X IV

followed by hydrolytic work-up to obtain the desired compound.

(Comp. Specn. : 54 pages)

Ind. Class : 83-A⁴

176830

Int. Cl⁴ : A 23 L 1/00.

A METHOD FOR PRODUCING FLAVOURED YEAST EXTRACT PRODUCT.

Applicant : CPC INTERNATIONAL INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF INTERNATIONAL

PLAZA, P.O. BOX 8000, ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventors : (1) ST. JOHN OLIVER SKELTON
(2) DEBORAH A. G. ANDERSON
(3) JOHN C. HOBSON

Application No. 832/Mas/93 filed Nov. 19, 1993.

Convention date : December 2, 1992; (No. 9225195.8; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A method for producing a flavoured yeast extract product by the autolysis of brewer's or baker's yeast cells, said method comprising :

- (i) providing a slurry comprising brewer's or baker's yeast cells and water;
- (ii) maintaining the slurry at a temperature and for a period of time sufficient to effect autolysis of the yeast cells and thereby to form an autolysate having a water-soluble fraction and a water-insoluble fraction;
- (iii) separating the water-soluble fraction from the autolysate; and
- (iv) concentrating the separated water-soluble fraction to form the yeast extract product; wherein at least one carbohydrase hydrolysates of fruit, vegetable, herb, spice, fleshy or mixtures thereof are added at any time before step (iv).

(Compl. Specn. : 21 pages)

Ind. Cl. : 35 E

176831

Int. Cl⁴ : C 04 B 35/06.

A METHOD FOR THE PRODUCTION OF MAGNESIA ENRICHED DOLOMITE SINTERS BY SINGLE STAGE PROCESS OF SINTERING.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventors : GOUTAM RANJITEE SAMIR KUMAR DAS, ARUP GHOSH, PABITRA KUMAR DAS, JNAN RANJAN BISWAS.

Application for Patent No. 1048/De/89 filed on 10-11-89.

Complete specification left on 17-1-91.

Appropriate Office for Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

3 Claims

A method for the production of magnesia enriched dolomite sinters by single stage process of sintering which comprises :

- (a) crushing the lumps of dolomites, calcites and magnesites to powder below 250 mesh BS sieve;
- (b) mixing the ground dolomites, calcites and magnesites to achieve MgO content in the range of 55 to 85%;
- (c) grinding the mixture in wet condition in a ball mill for 8 to 10 hrs.
- (d) drying the ground mixture and blending with 1-2% additives such as

Fe₂O₃ ZrO₂Y₂O₃

- (e) briquetting the blended mixture at a pressure in the range of 1400 kg/cm² to 2000 kg/cm²;
- (f) firing the briquettes at a temperature in the range of 1550° to 1750° C for 2 hours soaking to get magnesia rich dolomite sinters.

(Provisional Specification 9 pages; Drawing Sheets Nil)
(Complete Specification 12 pages; Drawing Sheets Nil).

Ind. Cl. : 32 F₂(b) 176832
Int. Cl.4 : C07C 67/03.

LIQUID COMPOSITIONS FOR USE INTERALIA AS REFRIGERATION LIQUID.

Applicant : THE LUBRIZOL CORPORATION OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092, U.S.A.

Inventors : SCOTT TED JOLLEY.

Application for Patent No. 1081/Del/89 filed on 20-11-89.

Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

19 Claims

A liquid composition for use interalia as refrigeration liquid comprising :

- (a) from 50 to 90% of at least one fluoroine-containing hydrocarbon containing 1 or 2 carbon atoms; and
- (b) and less than 50% by wt. of at least one soluble organic lubricant comprising at least one carboxylic ester of a polyhydroxy compound containing at least 2 hydroxy groups and characterized by the general formula



wherein R is a hydroxycarbonyl group, each R' is independently hydrogen, a straight chain lower hydrocarbyl group, a branched chain hydrocarbyl group, or a straight chain hydrocarbyl group containing from 8 to about 22 carbon atoms provided that at least one R' group is hydrogen, a lower straight chain hydrocarbyl or a branched chain hydrocarbyl group, or a carboxylic acid or carboxylic acid ester-containing hydrocarbyl group, and n is at least 2.

(Compl. Specn. 32 pages; Drwg. Sheets Nil).

Ind. Cl. : 6 A₂ 176833
Int. Cl.4 : F24F 1/00.

A BRANCH TAKE-OFF AIR FLOW DEVICE FOR USE IN AN AIR DISTRIBUTION SYSTEM.

Applicant : M & I HEAT TRANSFER PRODUCTS LTD., OF 1375 AIMCO BOULEVARD, UNITS 9 & 10, MISSISSAUGA, ONTARIO L4W 1B5, CANADA.

Inventors : RAMANI RAMAKRISHNAN, NORMAN BALL.

Application for Patent No. 1085/Del/89 filed on 21-11-89.

Convention date : 612573/22.09.89/CA.

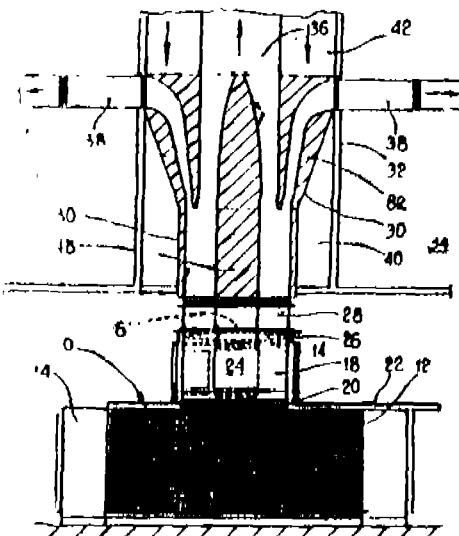
Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

10 Claims

A branch take-off airflow device for use in an air distribution system having coaxial input and output ducts (28, 36) and one or more branch ducts (28) angularly offset from said input and output ducts (28, 36), said ductwork comprising :

a first duct section (80) for static pressure regain, said section (80) having an air passage way (86) with an input port (86) at one end of a size substantially the same as the outlet of said input duct (28) and an output opening (88) at another end thereof; and

a second duct section (82) connected to said first duct section (80) and having a central passageway (134) and one or more take-off passageways (110-112), said central passageway (134) having an output port (136) of a size substantially the same as an inlet of said output duct (36), the one or each take-off passageway (110-112) being a duct with a generally rectangular transverse cross-section and inner (140) and outer walls (142) said outer wall (142) being a continuation of a wall defining said output opening of the first duct section (80) said inner wall (140) having a thick, rounded leading edge at an upstream end of the respective take-off passageway (110-112).



(Comp. Specn. 34 pages;

Drawing Sheets 10).

Ind. Cl. : 94 C

176834

Int. Cl. : B02C 15/00.

SEPARATOR FOR SEPARATING MATERIAL SUCH AS PARTIALLY AGGLOMERATED GROUND MATERIAL ISSUING FROM A HIGH-PRESSURE GRINDING ROLL MILL.

Applicant : KRUPP POLYSIUS OF GRAF-GALEN-STR., 1794720 BECKUM FEDERAL REPUBLIC OF GERMANY.

Inventors : MICHAEL VON SEEBACH, NORBERT PATELT.

Application for Patent No. 1095/Del/89 filed on 23-11-89.

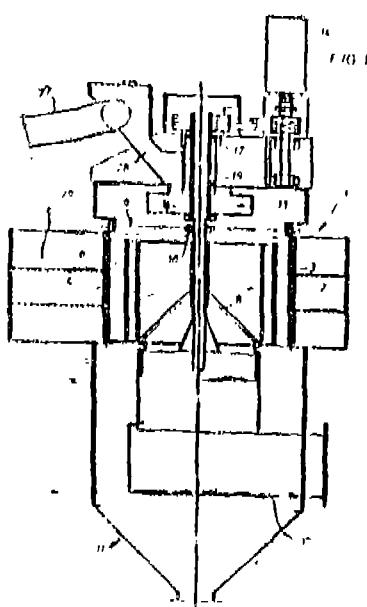
Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

6 Claims

A separator for separating material, particularly at least partially agglomerated ground material issuing from a high-pressure grinding roll mill which comprises :

- (a) a rotor (2) driven about a vertical axis and having blades (3) spaced from one another on the periphery of said rotor;

- (b) a rotatable material distributor (13) disposed above said rotor (2);
- (c) means for delivering material to be separated on to said material distributor (13);
- (d) a stationary guide unit (4) having adjustable guide vanes and surrounding said rotor (2) with a clearance, so as to form a separating chamber (6) between said guide unit (4) and said rotor (2), into which separating chamber the material thrown off by the material distributor (13) enters and through which chamber there passes a stream of separating air delivered through said guide unit and drawn off through said rotor;
- (e) a channel (12) connected to one end of said rotor (2) for removal of the stream of separating air which is charged with fines;
- (f) a tailings removal hopper (11) disposed below the rotor (2) and the guide unit (4); and
- (g) separate drive means (14, 15, 16) provided with said material distributor (13) for driving said distributor (13) independently of said rotor (2).



(Complete Specification 12 Pages;

Drawing Sheets 6)

Ind. Cl. 140A*

176835

Int. Cl. C10M 113/04, 125/06.

AN IMPROVED PROCESS FOR THE PRODUCTION OF AN EXTREME PRESSURE INDUSTRIAL GEAR OIL USING SULPHURIZED JOJOBA OIL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Int. Inventor : GOPURAM AYYAPPAN PILLAI SIVASANKARAN, RAJ PAL SINGH BISHT, VIRENDRA KUMAR BHATIA, MEENU KASHYAP, SUMESH KUMAR CHIBBER.

Application for Patent No. 1112/Del/89 filed on 23-11-89.

(Complete list after Provisional Specification on 10-07-90.)

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

3 Claims

A process for the production of an extreme pressure industrial gear oil using sulphurized jojoba oil, which comprises blending a base oil such as mineral oil, sulphurized jojoba oil of 26% sulphur treatment level, demulsifier selected from an organic copolymer and corrosion inhibitor selected from a heterocyclic compound mainly containing nitrogen, in the proportion of oil 94-96%, sulphurized jojoba oil 4-6%, demulsifier 0.01-0.02% and corrosion inhibitor 0.15 - 0.2%.

(Provisional Specification 4 Pages Drawing Sheets Nil)
(Comp. Specn. 8 pages Drwg. Sheets Nil)

Ind. : 45 B1 176836

Int. Cl. F 16K 1/00.

AN INLET FLUSHING VALVE FOR CISTERNS AND A CISTERNS INCORPORATING THE SAID VALVE.

Applicant : MANMOHAN CHOPRA PROPRIETOR OF M/S. SHANTA INTERNATIONAL, A-103, KAVERI APARTMENTS, ALAKNANDA, NEW DELHI-110019, INDIA.

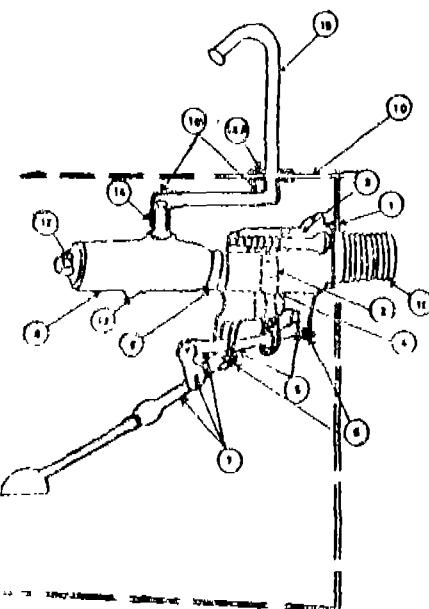
Inventor : MANMOHAN CHOPRA.

Application for Patent No. 1117/DEL/89 filed on 27-11-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

3 Claims

An inlet flushing valve to control the used water to the cistern, comprising of a silencing mechanism 3, 13 and a float provided at the outlet 34 to reduce noise, a ball and a float held by means of a lid adapted to be fixed at the top end of the framework, faucet fixed at the lid, a plastic tube to supply water back to the cistern, a lever 5 and plunger 4 to control the water inflow with said cistern, strainer with punthead cylinder & a helical spring to control noise at the outlet.



(Comp. Specn. 8 pages

Drwg. Sheets 3.)

Ind. Cl. : 157 D.

176837

Int. Cl. : E01B 3/00.

FASTENING STRAP FOR THE QUICK FASTENING OF A RAILROAD RAIL.

Applicant : ESTABLISSEMENTS VAPE, A FRENCH COMPANY, OF R. N. 84, 01430 SAINTMARTIN DU FRESNE FRANCE.

Inventor : GERARD VANOTTI.

Application for Patent No. 1118/Del/89 filed on 27-11-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

5 Claims

Fastening strap for the quick fastening of a railroad rail to ties made of concrete, wood, plastic or metal, said strap being composed of a steel or reinforced plastic rod having a vertical rectilinear part (1) terminating in an eccentric heel (2) at its base, said heel being capable of interacting with a catching means (27, 34) cooperating with a tie or with a metal sole plate fastened to said tie, and a curved part (4 to 9) in the form of a spring, said spring having an end for gripping the flange of the rail to be fastened after being tensioned as a result of rotation of the rod above a ramp (30) characterised in that said curved part of the rod is constituted by undulated part (4) having a bottom and a wound about part (5) around the axis of the vertical rectilinear part (1) of the rod, said bottom of the undulated part (4) and a main bearing point (10) located near the end of the rod providing an intermediate bearing point (6) therebetween, said two bearing points (6, 10) being mutually opposite in relation to the vertical rectilinear part (1) and at different distances from said vertical part, the radius of revolution of the intermediate bearing point (6) being substantially smaller than the radius of revolution of the main bearing point (10).

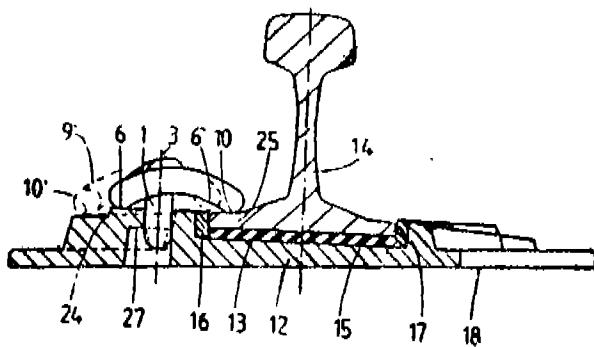


FIG. 4

(Complete Specification 18 Pages

Drawing Sheets 7).

Ind. Cl. : F 25 D 9/00

176838

Int. Cl. : I32C, 50 D

A DEVICE FOR INDIRECT COOLING OR HEATING WITH SIMULTANEOUS MIXING OF SOLIDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventors : RAMCHANDRA NAGESH PARLIKARS BANDARI VASUDEVA.

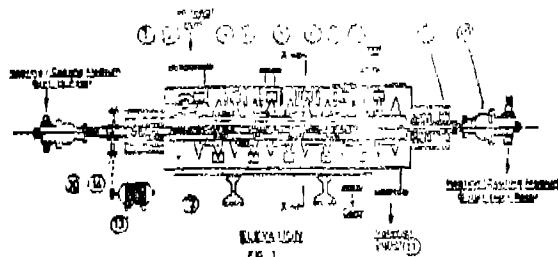
Application for Patent No. 1175/Del/89 filed on 11-1-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

2 Claims

A device for indirect cooling or heating with simultaneous thorough mixing of granular, crystalline or powdered solids which are prone for reaction with air, which comprises a

jacketed (12) and insulated stationary, U-shaped trough (1) having an inlet (2) to feed and an outlet (11) to discharge the material to be cooled/heated/mixed, in the said jacketed trough is housed a hollow rotor (3) comprising a series of successive interconnected hollow discs (4) welded integrally on to said hollow rotor which in turn being mounted on bearings (9) on either end of the trough, the heating/cooling medium passes through the rotor by entering and leaving the rotor, through suitable leak proof rotary joints (10) provided at the entry and exist, the aforesaid hollow discs being fitted with opposite pairs of adjustable lifters (6) which serve to agitate the material occupying the spaces between the rotor and trough exchange heat with the material to be cooled/heated and the angle of discs and lifters being adjustable facilitating the feedings axially in the trough at a variable rate and circumferential baffles (7) being attached to the top flat plate of the trough to regulate flow of the material to be cooled or heated for proper heat transfer and mixing.



(Comp. Specn. 8 pages.

Drwg. Sheet 1)

Ind. Cl. : 23E

176839

Int. Cl. : B63D 27/00

A FLEXIBLE INTERMEDIATE CONTAINER FOR LIFTING, TRANSPORTATION AND STORAGE OF BULK MATERIAL.

Applicant : NORSK HYDRO A.S. OF BYGDOY ALLE 2, 0257 OSLO 2 NORWAY.

Inventor : OLAF STRAND.

Application for Patent No. 1183/Del/89 filed on 14-12-89.

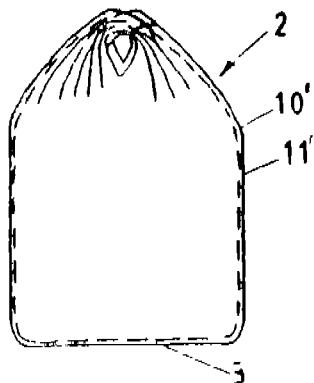
Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

6 Claims

A flexible intermediate bulk container (HIBC) for transportation, storage and lifting of bulk material, comprising a hose-like blank, one half (10) of said hose-like blank (1) extending the other half (11), to form an inner sack (10) and an outer (11') sack, and the said container having a common or separate bottom (3) and at least one lifting loop, characterised in that said container comprises integrated lifting loops consisting of material areas (15, 16, 17) each of which being divisible into several material areas, two of said material areas (15, 16) comprising two material sections (3, 4) located between slots (6, 7) diametrically opposite at the central part of the hose-like blank, and one intermediate slot (8) said material section (3, 4) extending from the outer sack (11') directly into the inner sack (10), at the opposite side of the flexible container, a third of said material area (17) comprising material section (5)

between the slots (6, 7) extending in the opposite direction from the outer sack (11') between said two material areas (15, 16) and into the inner sack (10').

Fig. 5



(Compl. Specn. 11 pages)

Drawgs. 2 Sheets)

Ind. Cl. : 32F(2C)

176840

Int. Cl. : C07C 104/34

A PROCESS FOR PREPARING AMINO ISOBUTRIC ACIDS AND ITS SALTS.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY OF 180 PARK AVENUE, FLORHAM PARK, NEW JERSEY, UNITED STATES OF AMERICA.

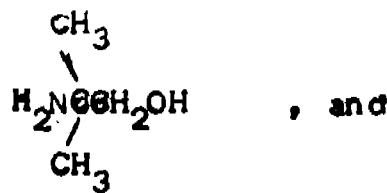
Inventors : WARREN ALAN THALER, GUIDO SARTORI, WIN SOW WINSTON HO, LARRY JOSEPH SHULIK, GEORGE ELMER MILLIMAN.

Application for Patent No 1203/Del/89 filed on 18 12-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

5 Claims

A process for preparing aminoisobutyric acid or its salts comprising reacting 2-amino-2-methyl-1 propanol (AMP),



an oxidant of AMP of the kind such as herein described at a temperature from about 120°C to about 300°C said process being carried out in the presence of a catalyst consisting of a metal salt, wherein said metal is selected from the group consisting of Cd, Zn, Cu, Ni, Mn, Ce.

(Compl. Specn. 12 pages)

Drawgs. 3 sheets)

Ind. Cl. : 6B

176841

Int. Cl. : F24F 6/00, 6/02

PROCESS FOR COOLING AND DEHUMIDIFYING HOT DAMP AIR.

Applicant : SORELEC OF 1A MOTIE SAINT FUVERTE, SAINT JEAN DE BRAYE, LOIRET, FRANCE.

Inventors : SALAH DJELOUAH, FRANCIS FORRAT.

Application for Patent No. 1217/Del/89 filed on 20-12-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

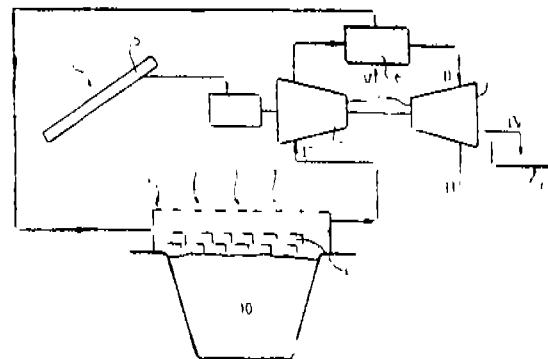
3 Claims

A process for cooling and dehumidifying hot damp air, said process comprises ;
the steps of :

- (a) heating said hot damp air;
- (b) saturating said heated air with water ;
- characterised by :
- (c) compressing said water-saturated air during a compression stage ;
- (d) at least partially dehumidifying and cooling said compressed air ; and
- (e) rapidly expanding said at least partially dehumidified, cooled, compressed air during an expansion phase, to produce :

- (I) condensed water, and
- (II) air having a temperature and water vapor concentration in grams of water per kilogram of dry air less than that of said hot damp air.

FIG 2



(Compl. Specn. 16 pages)

Drawgs. 1 sheet)

Ind. Cl. : 25D

176842

Int. Cl. : E04C 1/00

AN IMPROVED PROCESS FOR THE MANUFACTURE OF BRICK.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : AVINASH CHANDRA KHAZANCHI, SUKHDEO RAO KARADE & CHAMARTHY BUTCHI RAJU.

Application for Patent No. 1240/Del/89 filed on 26-12-89.

Complete Specn. left after prov. Spn on 12-3-91.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

5 Claims

An improved process for the manufacture of Bricks useful for building construction from inferior soils, are manufactured by mixing the flyash emanating from the ELECTRO STATIC PRECIPITATOR (ESP) of the thermal power plant, stone dust (having particle size less than 60 μ), wheat straw, presoaked soil in the ratio as herein described with predetermined amount of water to form a dough, kneading & moulding the resultant dough, drying at atmospheric temperature and firing in a kiln at a temperature in the range of 900 to 1050°C.

(Provnl. Specn. 5 pages
(Compl. Specn. 9 pagesDrwgs. sheets nil
Drwgs. sheets nil

Ind. Cl. : 27 C

176843

Int. Cl. : E40C 2/10, 2/14, 2/16

A PROCESS FOR THE PREPARATION OF SHEETS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventors: AVINASH CHANDRA KHAZANCHI, MAHENDRA KUMAR PATEL & MOHINI SAXENA.

Application for Patent No. 1241/Del/89 filed on 26-12-89.

Complete left after Provisional Specification on 12-03-91.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

6 Claims

A process for the preparation of sheets which comprises treating natural fibres with an organic solvent or mixture thereof for removing the waxy layer from the fibres, weaving the dewaxed fibres into a mat, washing red mud with water, drying and sieving through 150 μ m sieve, sieving flyash to remove coarser fractions, mixing the so prepared red mud & flyash with a thermosetting polymer, pouring the mixture of red mud, flyash and polymer over the fibre mat and allowing to set, pressing the semi set mat over corrugated mould with a pressure in the range of 5-10 kg/cm² and curing the resultant sheet.

(Provnl. Specn. 4 pages
(Compl. Specn. 7 pagesDrwgs sheet nil
Drwgs sheets nil

Ind. Cl. : 60D

176844

Int. Cl. : A41B 9/12, A61F 13/16

ABSORBENT ARTICLE HAVING UNITARY WAIST-CAP AND WAISTBAND.

Applicant: THE PROCTER & GAMBLE COMPANY OF STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor: ANTHONY JOHN ROBERTSON.

Application for Patent No. 1248/Del/89 filed on 27-12-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

20 Claims

An integral disposable absorbent article (20) having unitary waistcap, waistband and longitudinal edges (30) and end edges (32), the absorbent article comprising:

an absorbent (44) core having a garment surface (50) and a body surface (52);

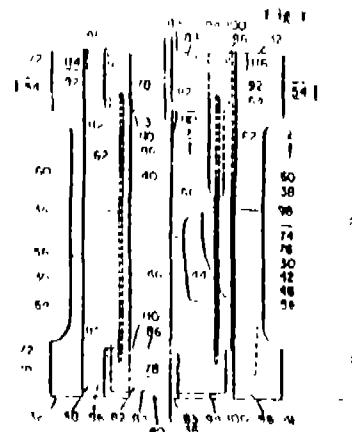
a liquid impervious (42) backsheet positioned adjacent said garment surface of said absorbent core;

a liquid previous (38) topsheet positioned adjacent said body surface of said absorbent core;

a unitary waistcap (78)/waistband disposed adjacent at least one of the end edges (32) of the absorbent article, said unitary waistcap/waistband comprising an elastomer (76) means having

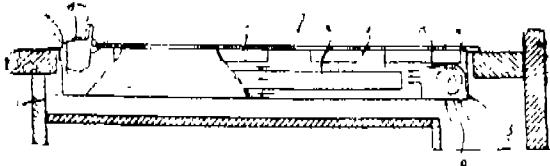
an outward (80) portion attached to the absorbent article adjacent said end edge (32) so as to form an elasticized waistband, and an inward portion (82) contiguous with said outward portion (80), said inward portion having a proximal (84) edge a distal edge (86), and ends, said proximal (84) edge being joined to the absorbent article and said distal edge spaced inboard from said proximal edge, said distal edge being operatively associated with the absorbent article adjacent said ends of said inward portion, at least a portion (88) of said distal edge being unsecured to the underlying portion of the absorbent article between said ends so that said distal edge is spaced away from the liquid-receiving (37) surface of the absorbent article so as to form a waistcap.

said article optionally additionally including a leg (60) cuff positioned adjacent the longitudinal (30) edge of the absorbent article.

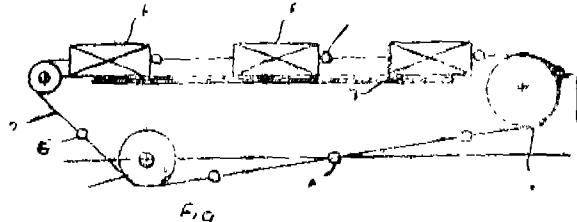


controlling said appliance (1) and with an internal ventilation circuit (9, 8, 3) having an outlet port (13, 14, 22) in the vicinity of the control means (10) characterised by a device having a body (12, 15, 21) and a member (14, 17, 20) said body (12, 15, 21) having a race (11) which supports said control means (10), said body (12, 15, 21) being mounted on means on the housing (7) enabling movement of said body (12, 15, 21) from a first position to a second position, said body (12, 15, 21) in said first position forming said outlet port (13, 16, 22), said member (14, 17, 20) closing the access to said control means (10) for a user in said second position of said body (12, 15, 21).

78.



feed end to the discharge end, said feed end for receiving the products and said discharge end (14) located away from said feed end for discharge of the product, transfer means T being provided at the discharge end (14) of said magazine transversely for conveying the product P to the infeed conveyor (1) from the discharge end (14) of said magazine M.



(Complete Specification 8 Pages)

Drawing Sheets 1)

Ind. Cl. : 80K

176855

Int. Cl. : B01D 29/10.

A CENTRE SUPPORT TUBE FOR USE IN FILTERS.

Applicant : PUROLATOR INDIA LIMITED OF 1, SRI AUKOBINDO MARG, NEW DELHI-110016.

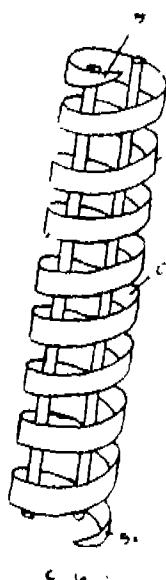
Inventors : ANIL DESHPANDE.

Application for Patent No. 0070/Del/90 filed on 29-1-90.

Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 4)

A centre support tube for use in oil, fuel or air filters comprising a strip S formed into a helical structure, reinforcements R being disposed within said helical structure for supporting the coils of said helical structure, adjacent coils of said structure being spaced from each other and such as to form passages for the flow of the medium under filtration, the space D between said coils being not greater than the width of the strip.



(Complete Specification 6 Pages)

Drawing Sheets 1)

Ind. Cl. : 32 E

176856

Int. Cl. : B01J 8/24.

PROCESS AND APPARATUS FOR GAS PHASE POLYMERISATION OF OLEFINS IN A FLUIDIZED BED REACTOR.

Applicant : BP CHEMICALS LIMITED OF BELGRAVE HOUSE, BUCKINGHAM PALACE ROAD, LONDON SW-1W OSU, ENGLAND.

Inventor : XAVIER BONTEMPS, LASZIO HAVAS, ANDRE MARTEENS, FREDERIC ROBERT MARIE MICHEAL MONTEROI.

Application for Patent No. 75/DEL/90 filed on 29-01-90.

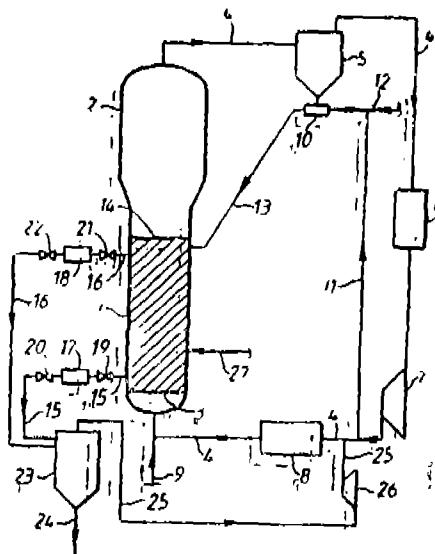
Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 17)

Apparatus for polymerizing olefins in a gas-phase fluidized-bed reactor comprising:

- (A) A gas phase fluidized-bed reactor comprising a reactor body (1) having a fluidization grid (3) arranged in its base, the reactor body having a height above the fluidization grid (3) of H.
- (B) means for recycling gas from the top of the fluidized reactor to the base of the reactor body (1), below the fluidization grid (3) comprising a dust separator (5), a heat exchanger (6, 8) and a compressor (7) and
- (C) means for recycling fine particles from the dust separator (5) to the reactor body (1) which apparatus is characterized in that;
- (D) the means recycling the fine particles essentially comprises a reintroduction conduit connecting the dust separator to the upper portion of the reactor body (1), and in that
- (E) the reactor body has two or more polymer outlets, at least one lower polymer outlet (15) is in the lower portion of the reactor body (1) and at least one upper polymer outlet (16) is in the upper portion of the reactor body (1) at a position which when the reactor is in use is below the top of the fluidized bed.

FIG 1



(Complete Specification 17 Pages)

Drawing Sheets 2).

Ind. Cl. : 32 F C

176857

Int. Cl. : C 07 C 31/04.

A PROCESS FOR THE PRODUCTION OF METHANOL FROM HYDROCARBON FEEDSTOCK.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., MILLBANK, LONDON SW1P, 3JF, ENGLAND.

Inventor : JOHN LYWOOD WARWICK.

Application for Patent No. 112/DEL/90 filed on 7-2-90.

Convention date 8902916.9/9-2-89/GB and 89302539.5/13-3-89/GB.

Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

(Claims 8)

A process for the production of methanol from hydrocarbon feedstock :

- forming major and minor streams, each containing a said hydrocarbon feedstock and steam;
- passing, at a pressure in the range 10-40 bar abs., the major stream over a conventional steam reforming catalyst disposed in tubes heated by means of a fired furnace, thereby producing a reformed major stream;
- passing, also at said pressure in the range 10-40 bar abs., the minor stream over a conventional steam reforming catalyst disposed in tubes of an auxiliary reformer, thereby forming a reformed minor stream;
- mixing the said reformed minor stream with the said reformed major stream, thereby forming a combined reformed gas stream;
- passing said reformed major stream, before or after the mixing thereof with the reformed minor stream, past the exterior of the auxiliary reformer tubes, thereby supplying heat thereto;
- cooling the combined reformed gas stream to condense unreacted steam therein as water, and separating the condensed water to give a water-depleted gas stream;
- subjecting at least part of the water-depleted gas stream to membrane separation effective to separate a permeate gas stream containing some of the hydrogen from an impermeate gas stream containing hydrogen and carbon oxides, said impermeate gas stream together with the remainder, if any, of said water-depleted gas stream, forming a synthesis gas stream; and
- compressing the synthesis gas stream to a pressure above 50 bar abs., and synthesizing methanol from the synthesis gas stream.

the amount of hydrogen separated as said permeate stream being such that said synthesis gas stream has a ratio of the major amount of hydrogen (less the molar amount of carbon dioxide) to the total molar amount of carbon oxidized in the range 1.8 to 2.5

Complete Specification 18 Pages

Drawing Sheets 1)

Ind. Cl. : 32 E 40 B

176858

Int. Cl. : C07B 37/02

A PROCESS FOR THE PRODUCTION OF ADDITION PRODUCTS OF ALKYLENE OXIDES AND A REACTOR FOR CARRYING OUT SUCH A PROCESS.

Applicant : PRESS INDUSTRIA S.P.A. OF VIA PORTA D'ARNOLFO, 35, 20045 BIASCONO, MILANO, ITALY.

Inventor : PAOLO STRANEO, CARLO MAFFEZZONI, ALFREDO MARCHEGIANO.

Application for Patent No. 140/Del/90 filed on 16th Feb., 1990.

Appropriate Office for Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

5 Claims

A process for the production of addition products of alkylene oxide by the condensation of one or more alkylene oxides such as herein described, with a catalyzed starting compound containing mobile hydrogen, such as herein described, which comprises :

reacting, in a gas-liquid reaction zone of a reactor, said catalyzed starting compound, in a liquid phase, with said alkylene oxide in gaseous form, to obtain an addition product characterized by:

recovering by gravity said addition product in the liquid phase, from said gas-liquid reaction zone to a storage and collection zone,

said reaction between said catalyzed liquid starting compound and said gaseous alkylene oxide being carried out separate from the liquid addition product in said collection and storage zone;

recycling the liquid product from the storage and collection zone to the reaction and dispersion zone for the said gas-liquid reaction with said gaseous alkylene oxide;

continuing said liquid-gas reaction and recycling said liquid product from the storage and collection zone so as to obtain an addition product having the required molecular weight

(Compl. Specn. 10 pages)

Dwg. sheet 1)

Ind. Cl. : 32 E

176859

Int. Cl. : C 08 F 20/00, 20/54

A PROCESS FOR THE PREPARATION OF A NEW PROTON ACCEPTING POLYMER USEFUL FOR THE PREPARATION OF A POLYMER HAVING DRAG REDUCING PROPERTIES IN HYDROCARBON FLUIDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : SATISH NARAYAN SHINTRE
SANJAY MALIK
MOHAN GOPALKRISHNA KULKARNI
RAGHUNATH ANANT MASHELKAR.

Application for Patent No. 157/DEL/90 filed on 22nd Feb., 1990.

Appropriate Office for filing opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

10 Claims

A process for the preparation of a new proton accepting polymer useful for the preparation of a polymer having drag reducing properties in hydrocarbon fluids, which comprises polymerizing a methacrylic or acrylic based monomer with a respective monomer as herein described having proton accepting functional group with or without other monomers acting as filler at a temperature in the range of 20° to 30°C with stirring/agitation and isolating the resultant polymer by known method:

(Compl. Specn. 10 pages)

Dwg. Sheet N.

Ind. Cl. : C 08 F 20/00, 20/06

176860

Int. Cl.⁴ : 32 E

A PROCESS FOR THE PREPARATION OF A NEW PROTON DONATING POLYMER USEFUL FOR THE PREPARATION OF A POLYMER USEFUL FOR DRAG REDUCTION PROPERTIES IN HYDROCARBON FLUIDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) : SATISH NARAYAN SHINTRE
SANJAY MALIK
RAGHUNATH ANANT MASHELKAR.

Application for Patent No. 158/Del/90 filed on 22nd Feb., 1990.

Appropriate Office for filing opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the preparation of a new proton donating polymer useful for the preparation of a polymer having drag reducing properties in hydrocarbon fluids which comprises polymerising a methacrylate or acrylate based monomer with a respective monomer having proton donating functional group such as herein described with or without other monomers acting as fillers at a temperature in the range of 25 to 35°C, with constant stirring and isolating the resultant polymer by known methods.

(Comp. Specn. 12 pages;

Drwg. Sheet Nil.)

Ind. Cl. : 32 E

176861

Int. Cl.⁴ : C 08 F 20/00, 20/06, 20/54

A PROCESS FOR THE PREPARATION OF A NEW POLYMER USEFUL FOR DRAG REDUCTION IN HYDROCARBON FLUIDS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventor(s) : SATISH NARAYAN SHINTRE
SANJAY MALIK
RAGHUNATH ANANT MASHELKAR.

Application for Patent No. 159/Del/90 filed on 22nd Feb., 1990.

Appropriate Office for filing opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

4 Claims

A process for the preparation of a new polymer useful for drag reduction in hydrocarbon fluids which comprises mixing of a proton accepting polymer as described in our co-pending application No. 157/DEL/90 with a proton donating polymer as described in our co-pending application No. 158/DEL/90 in the presence of a non polar hydrocarbon solvent in stoichiometric proportion.

(Comp. Specn. 12 pages;

Drwg. 4 Sheets)

Ind. Cl. : 32 E

176862

Int. Cl.⁴ : C 08 F 20/00, 20/06, 20/54.

A PROCESS FOR THE PREPARATION OF A NEW POLYMER USEFUL FOR DRAG REDUCTION IN HYDROCARBON FLUIDS IN EXCEPTIONALLY DILUTE POLYMER SOLUTIONS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventor(s) : SANJAY MALIK
SATISH NARAYAN SHINTRE
RAGHUNATH ANANT MASHELKAR.

Application for Patent No. 160/Del/90 filed on 22nd Feb., 1990.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

10 Claims

New polymer useful for drag reduction in hydrocarbon fluids is prepared by polymerising a C-12 - C-18 acrylate monomer and respective anionic monomer as herein described with or without other monomers acting as fillers or additives, at a temperature in the range of 20 to 30°C, with constant stirring and separating the resultant polymer by known methods.

(Comp. Specn. 13 pages;

Drwg. 1 Sheet.)

Ind. Cl. : 205 K

176863

Int. Cl.⁴ : B 29 D 30/00, 30/06.

"A PNEUMATIC RADIAL TIRE".

Applicant : THE GOODYEAR TIRE & RUBBER CO., 1144 MARKET STREET, AKRON, OHIO 44316-001, USA.

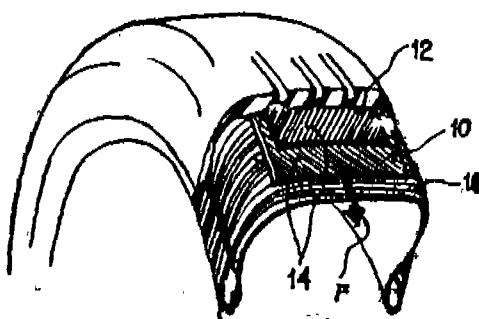
Inventor : KENNETH MICHAEL KOT, BYUNG-LIP LEE.

Application for Patent No. 180/Del/90 filed on 27th Feb., 1990.

Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

2 Claims

A pneumatic radial tire comprising a radial carcass and a belt circumferentially encompassing the carcass (16) to reinforce the tire, the belt (10, 12) having two layers (14) of cord each cord made of two twisted single 0.30 millimeter diameter filaments, said filaments made from steel with a carbon content by weight of 0.82%, each cord layer having 9.45 cords per centimeter spaced in a direction lateral to the direction of reinforcement of the belt and oriented at angles of about 23° to the direction of movement of the tire and opposed to each other.

FIG. 2.

Comp. Specn. 20 pages;

Drwg. 1 Sheet)

Ind. Cl. : 205 H

Int. Cl. : B 29 D 30/00.

"A REINFORCED TYRE".

Applicant : YELLAPRAGADA SAMBASIVA RAO OF 105, SIDDHARTH A ENCLAVE, NEW DELHI.

Inventor : YELLAPRAGADA SAMBASIVA RAO.

Application for Patent No. 0199/DEL/90 filed on 5-3-90.

Complete left after Provisional specification on 4-6-91.

Appropriate Office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

2 Claims

A reinforced tyre for use with all type of vehicles comprising a rubber structure having an annular reinforcement made of spring steel sheathing bonded to the inner surface of said rubber structure, an inner lining being provided with said reinforcement and is bonded thereto by means of an adhesive, trepoxidial grooves being provided on the outer surface of said rubber structure so as to provide more grip of the tyre on the road surface.

(Prov. Specn. 4 pages;

Drwg. Sheets Nil.)

(Comp. Specn. 6 pages.

Drwg 1 Sheet.)

Ind. Cl. : 35 E.

176865

Int. Cl. : C04B 35/20.

"A CERAMIC WELDING PROCESS FOR THE PREPARATION OF A COHESIVE REFRACTORY MASS".

Applicant : GLAVERBEL, OF CHAUSSEE DE LA HULPE, 166, B-1170 BRUSSELS, BELGIUM AND FOSBEL INTERNATIONAL LTD., OF 285 LONG ACRE, NECHILLS, BIRMINGHAM B7 5JR, UNITED KINGDOM.

Inventors : LEON PHILIPPE, MOTTET, CHARLES MICHAEL ZVOSEC, STEPHEN D. CHERICO, ALEXANDRE ZIVKOVIC, GUY VAN MARCKE DE LUMMEN, JEAN MOREAU AND PIERRE ROBYN.

Application for Patent No. 412/DEL/90 filed on May 02, 1990.

Conventional Data : Date 25-07-1989 No. 8916951.0 Country U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

Claims 17

1. A ceramic welding process for the preparation of a cohesive refractory mass comprising :

(a) projecting oxidising gas and a mixture of refractory and fuel powders such as herein described on a surface;

(b) combusting the fuel powder to generate sufficient heat so that the refractory powder is at least partially melted or softened; and

(c) thereby progressively building a cohesive refractory mass against said surface, the fuel powder is present in said projected mixture in a proportion of not more than 15% by weight of the total mixture and comprises at least two metals

176864

selected from aluminium, magnesium, chromium and zirconium, at least the major part by weight of the refractory powder in said projected mixture consists of one or more of magnesia, alumina and chromic oxide, and balance, if any, being constituted by the molar proportions of silica and calcium oxide present in the refractory powder of said projected mixture satisfying the following expression :

$$[\text{SiO}_2]\% \leq 0.2 + [\text{CaO}]\%.$$

(Compl. Specn. 15 Pages;

Drwg. Sheet Nil)

Ind. Cl. : 76 E

176866

Int. Cl. : F16B 2/00.

"PRESSURE-SENSITIVE ADHESIVE FASTENER".

Applicant : THE PROCTER & GAMBLE CO., OF 3128 ELMWOOD ROAD, ERLANGER, KENTUCKY, U.S.A.

Inventor : CHARLES FREDERICK BATTRELL.

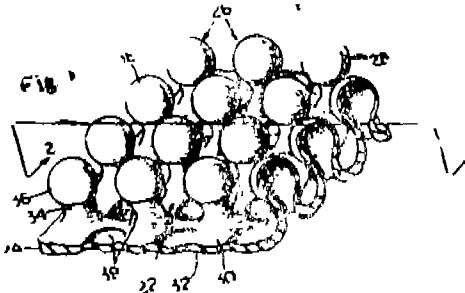
Application for Patent No. 454/Del/90 filed on 14-5-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 15)

A pressure-sensitive adhesive fastener having a textured fastening surface comprising; a backing web having a first surface and a second surface, said backing web exhibiting a pattern of discrete, bulbous surface aberrations projecting from said first surface, each of said bulbous surface aberrations having a base portion and an end portion; and

a layer of pressure-sensitive adhesive coated over and bonded to at least a portion of the surface of said bulbous surface aberrations to define the fastening surface of the fastener.



(Complete Specification 40 pages;

Drawing Sheets 7).

Ind. Cl. : 188.

176867

Int. Cl. : C23G 5/02.

A LIQUID COMPOSITION FOR USE IN THE PREPARATION OF AN AQUEOUS COMPOSITION FOR PHYSICOCHEMICAL REFINEMENT AND BURNISHING OF METAL SURFACES OF OBJECTS.

Applicant : REM CHEMICAL INC., OF 325 WEST QUEEN STREET, SOUTHBURG, CONNECTICUT 06489, UNITED STATES OF AMERICA.

Inventor : ROBERT GORGE ZOBBI.

Application for Patent No. 783/Del/90 filed on 03-08-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 8)

A liquid composition for use in the preparation of an aqueous composition for physicochemical refinement and burishing of metal surfaces of objects, comprising :

- (a) water,
- (b) from 5 to 725 grams, per liter of water, of a water-soluble phosphate compound selected from tetracyclicophosphate and hexametaphosphate salts,
- (c) from 1 to 60 grams per liter of water, of a tertiary amine slip agent surfactant containing at least one fatty chain and an active group selected from carboxylate and sulfonate groups, and
- (d) balance of any of a marginally soluble secondary surfactant.

(Complete Specification 24 pages; Drawing Sheets Nil).

Ind. Cl. : 170 B&D 176868

Int. Cl. : C01B 33/28 & C11D 3/08, 3/20.

A METHOD OF MAKING WATER FREE DETERGENT BUILDER.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., MILLBANK, LONDON, SW1P 3 JF, ENGLAND.

Inventor : PAUL HEPWORTH.

Application for Patent No. 1030/Del/90 filed on 16-10-90.

Convention date 89238190/23-10-89/GB & 8928662.9/19-12-89, GB.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 6)

A method of making a water free detergent builder which comprises a combination of a zeolite and a polyether or polyalcohol, which method comprises evaporating water from a suspension of a zeolite detergent builder containing water in a polyether or polyalcohol, which has a molecular weight of not more than 2000, at a temperature of from 100 to 200°C and a pressure of less than 0.1 Bar absolute.

(Complete Specification 13 pages; Drawing Sheet Nil).

Ind. Cl. : 55 E4, F. 176869

Int. Cl. : C17N 1/26, 9/48.

A PROCESS FOR THE PREPARATION OF THROMBINASH.

Applicant : INDIAN COUNCIL OF MEDICAL RESEARCH, AN INDIAN INSTITUTE OF ANSARINAGAR, NEW DELHI-110 029.

Inventor : KOTHANDAPANI BALARAMAN.

Application for Patent No. 232/Del/91 filed on 21-03-91.

Complete left after Provisional Specification on 09-03-92.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 6)

A process for the preparation of a novel thrombolytic agent comprising removal of cells from the known culture both obtained in the fermentation of *Bacillus Sphaericus* Serotype designated as H5a, 5b to obtain cell free culture

filtrate subjecting said cell-free culture filtrate to a step of ultra filtration to obtain a concentrated retentate, followed by salting out substantially all protein from the said concentrate using a salting agent such as ammonium sulfate, converting the salted out protein into an aqueous solution, subjecting said aqueous solution to the step of decolorization using modified cellulose, subjecting the decolorized fraction to dialysis and lyophilization to obtain a crude powder of said protein, followed by preparing a solution of crude powder and subjecting the same to chromatography treatment to obtain purified material and then subjecting said purified material to final lyophilization to obtain the thrombolytic agent.

(Provisional Specification 6 pages; Drawing Sheets Nil). (Complete Specification 13 pages; Drawing Sheets Nil).

Ind. Cl. : 23 E, H.

176870

Int. Cl. : B65B 5/00, B65D 5/00.

A GABLE TOP CARTON FOR LIQUID FOOD PRODUCTS.

Applicant : FBI BRANDS LTD., OF 16 CHEMIN BENOIT, MT. ST. HILAIRE, QUEBEC, CANADA J3G 456.

Inventor : DONALD ALBERT POOLE.

Application for Patent No. 428/Del/91 filed on 17-05-91. Ante-dated to 06-03-89.

Divisional to Patent Application No. 212/Del/89 filed on 06-03-89.

Convention date : (1) 561206/11-03-88/CA.
(2) 561264/11-03-88/CA.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

(Claims 8)

A gable top carton for liquid food products having opposed pairs of side walls, a bottom wall and a gable closure at the top wherein said gable closure comprises opposed side panels with side flaps extending therefrom and opposed end panels with end flaps extending therefrom to a height lower than that of the flaps of said side panels, said side panels and said end panels being provided with score lines to facilitate closing and opening thereof, the opposed side flaps being adhered to each other and the end flaps being folded inwardly and adhered to the lower portion of said side flaps, the inner surface of the carton being coated with thermoplastic material and the components of said carton being sealed by means of heat sealing characterised in that an unsealed or lightly sealed area is provided at the centre of the upper portion of one end flap to facilitate opening of the carton by a consumer and stake means, such as a stake point is impressed in said side flaps, said stake means pressing together, expanding into abutment and sealing the adjacent inwardly folded end flaps.

(Complete Specification 15 pages; Drawing Sheets 3).

CLAIM UNDER SECTION 20(1) OF THE PATENT ACT, 1970.

The Claim made by BRACCO INTERNATIONAL B.V., in connection with Patent Application No. 696/Mas/93 (176828) has been allowed.

RENEWAL FEES PAID

158451	158452	158453	158771	159220	159244	159269
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CESSATION OF PATENTS

160653	160706	160783	160809	160816	160855	160893
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CAL - 23, DEL - NIL, BOM - NIL, MAS - NIL

*Patent shall be deemed to be endorsed with the words
LICENSE OF RIGHT Under Section 87 of the Patents Act,
1970 from the date of expiration of three years from the
date of sealing.

D—Drug Patents, F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

- Class 1. No. 170883, Godrej & Boyce Mfg. Co. Ltd., of Locks Division Plant-18, Pirojshanagar, Vikhroli, Mumbai-400 079, Maharashtra, India, Indian Company, "ALDROP", 15th March, 1996.
- Class 3. No. 170387, Raj Brothers, whose partners are Raj Kumar Mahansaria, Basu Deo Mahansaria and Mrs. Neeru Mahansaria, all Indian citizens of 3, Amratalla Street, Calcutta-700 001, West Bengal, India, "BALL POINT PEN", 12th December, 1995.
- Class 3. No. 170122, Dowan Tyres Limited, Rithani, Delhi Road, Meerut, U.P.-250002, India, an Indian national and of the above address, "CYCLE TYRE", 6th November, 1995.
- Class 3. Nos. 170527, 170529 & 170530, Deepak Kumar Khemka & Bharat Khemka both Indian citizens of 75C, Park Street, Calcutta-700 016, state of West Bengal, India, "PEN", 1st January, 1996.
- Class 3. 170358, Rehrig Pacific Company, Inc., a corporation organised and existing under the laws of the State of California, United States of America of 4010 East 26th Street, Los Angeles, California 90023, U.S.A., "BOTTLE CASE WITH INTEGRAL SIDE WALL LOGO", 7th December, 1995.
- Class 3. No. 170390, Motorola, Inc., a corporation of the State of Delaware, of 1303 East Algonquin Road, Schaumburg, Illinois 60196, U.S.A., "BATTERY HOUSING", 13th December, 1995.
- Class 3. No. 170819, Michelin Recherche Et Technique S.A., a corporation of Switzerland located at Route Louis-Braille 10 et 12, CH-1763, Granges-Paccot, Switzerland, "TYRE", 1st March, 1996.
- Class 10. Nos. 170579 & 170580, ICT Industries of Swastik Industries Comp., Ram Boug, Chincholi Bunder Road, Malad (W), Bombay-400064, Maharashtra, India, Indian Partnership firm, "CHAPPAL", 12th January, 1996.

T. R. SUBRAMANIAN
Controller General of Patent,
Design & Trade Marks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1996

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